

STN

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, DISSABS' ENTERED AT
12:06:19 ON

28 JUL 2006

L1 771 S NAIP

L2 28 S L1 AND (ANTIBODIES OR ANTIBODY)

L3 16 DUP REM L2 (12 DUPLICATES REMOVED)

WEST Search History

DATE: Friday, July 28, 2006

| Hide? | Set Name | Query | Hit Count |
|--------------------------|----------|--|-----------|
| | | <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i> | |
| <input type="checkbox"/> | L2 | (antibody or antibodies) and L1 | 239 |
| <input type="checkbox"/> | L1 | naip | 416 |

END OF SEARCH HISTORY

MEDLINE

- #1 Search **naip**

12:04:28

216

Db 1201 SLPNFISLKIILNLESQFPDEETSEKENTILGSLNLEELILPTGDGIYRVAKLIIQQCQ 1260
 Qy 1261 QLHCLRVLSFFKTLNDDSVVEIGELVFLAWKPVV 1295
 Db 1261 QLHCLRVLSFFKTLNDDSVVEIGELVFLAWKPVV 1295

RESULT 4
 AAW20032

ID AAW20032 standard; protein; 1403 AA.
 XX
 AC AAW20032;
 XX
 DT 06-OCT-1997 (first entry)
 XX
 DE Neuronal apoptosis inhibitor protein (NAIP).
 XX
 KW Neuronal apoptosis inhibitor protein; NAIP; diagnosis; therapy; cancer;
 KW AIDS; amyotrophic lateral sclerosis; spinal muscular atrophy.
 XX
 OS Homo sapiens.
 XX
 PN W09726331-A2.
 XX
 PD 24-JUL-1997.
 XX
 PF 17-JAN-1997; 97WO-IB000142.
 XX
 PR 19-JAN-1996; 96GB-00001108.
 XX
 PA (UYOT-) UNIV OTTAWA.
 XX
 PI Korneluk RG, Mackenzie AE, Roy N, Robertson G, Tamai K;
 XX
 DR WPI; 1997-385335/35.
 DR N-PSDB; AAT71265.
 XX
 PT New neuronal inhibitor of apoptosis - useful for diagnosing and treating,
 PT e.g. cancer, AIDS or amyotrophic lateral sclerosis.
 XX
 PS Claim 41; Fig 6A-I; 102pp; English.
 XX
 CC Novel human neuronal apoptosis inhibitor protein (AAW20032), or NAIP, is
 CC a negative regulator of apoptosis, partic. neuronal apoptosis and, when
 CC deficient or absent, contributes to neurodegenerative phenotypes such as
 CC spinal muscular atrophy (SMA) and amyotrophic lateral sclerosis. Its
 CC amino acid sequence was deduced from a cDNA clone (AAT71265) obtd. from a
 CC human foetal spinal cord cDNA library. NAIP polypeptides, esp. those
 CC containing at least two BIR (baculovirus IAP repeat) domains, can be
 CC expressed in host- vector systems and used to increase or induce
 CC apoptosis for the treatment of AIDS, neurodegenerative disease,
 CC myelodysplastic syndromes or ischaemic injury, to screen for
 CC (ant)agonists, or to produce antibodies useful for inhibiting apoptosis
 XX
 SQ Sequence 1403 AA;

Query Match 99.0%; Score 6691; DB 2; Length 1403;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 1282; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MATQQKASDERISQFDHNLPELSALLGLDAVQLAKELEEEQKERAKMQKGYNSQMRSE 60
 Db 1 MATQQKASDERISQFDHNLPELSALLGLDAVQLAKELEEEQKERAKMQKGYNSQMRSE 60
 Qy 61 AKRLKTFVITYEPYSSWIPQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIDHKRF 120
 Db 61 AKRLKTFVITYEPYSSWIPQEMAAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIDHKRF 120
 Qy 121 HPDCGFLNKNVDVGNIAKYDIRVKNLKSRLRGGMRYQEEEARLASFRNWPFYVQGISPCV 180
 Db 121 HPDCGFLNKNVDVGNIAKYDIRVKNLKSRLRGGMRYQEEEARLASFRNWPFYVQGISPCV 180
 Qy 181 LSEAGFVFTGKQDTVQCFCGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240
 Db 181 LSEAGFVFTGKQDTVQCFCGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240

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QY 241 QSYKGFVDITGEHFVNSWVQRELPMSAYCNDISIFAYEELRLDSFKDWPRESAVGVAALA 300
 Db 241 QSYKGFVDITGEHFVNSWVQRELPMSAYCNDISIFAYEELRLDSFKDWPRESAVGVAALA 300

QY 301 KAGLFYTGKIDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCFFLQNMKSSAEVTPDLQS 360
 Db 301 KAGLFYTGKIDIVQCFSCGGCLEKWQEGDDPLDDHTRCFPNCFFLQNMKSSAEVTPDLQS 360

QY 361 RGELCELLETTSESNELEDSIAVGPIVPEMAQGEAQWFQEAKNLNEQLRAAYTSASFRHMS 420
 Db 361 RGELCELLETTSESNELEDSIAVGPIVPEMAQGEAQWFQEAKNLNEQLRAAYTSASFRHMS 420

QY 421 LLDISSDLATDHLGCDLSIASKHISKVPQEPVLPEVFGNLNSVMCVEGEAGSGKTVLL 480
 Db 421 LLDISSDLATDHLGCDLSIASKHISKVPQEPVLPEVFGNLNSVMCVEGEAGSGKTVLL 480

QY 481 KKIAFLWASGCCPLNRFQLVFYLSLSSTRPDEGLASIIICDQLEKEGSVTEMCMRNIIQ 540
 Db 481 KKIAFLWASGCCPLNRFQLVFYLSLSSTRPDEGLASIIICDQLEKEGSVTEMCMRNIIQ 540

QY 541 QLKNQVFLFLDDYKEICSIQVIGKLIQKNHLSRTCLLIARTNRARDIRRYLETILEIK 600
 Db 541 QLKNQVFLFLDDYKEICSIQVIGKLIQKNHLSRTCLLIARTNRARDIRRYLETILEIK 600

QY 601 AFFFYNTVCILRKFLSHNMTRLRKFMVYFGKNQSLQKIQKTPLFVAACAHWFQYFPDPS 660
 Db 601 AFFFYNTVCILRKFLSHNMTRLRKFMVYFGKNQSLQKIQKTPLFVAACAHWFQYFPDPS 660

QY 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSCGELALKGFFSCCFEFDNDLAEAGVDED 720
 Db 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSCGELALKGFFSCCFEFDNDLAEAGVDED 720

QY 721 EDLTMCLMSKFTAQRLRPFYRFLSPAQEFQFLAGMRLIELLSDRQEHQDLGLYHLKQINS 780
 Db 721 EDLTMCLMSKFTAQRLRPFYRFLSPAQEFQFLAGMRLIELLSDRQEHQDLGLYHLKQINS 780

QY 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLDVNKESLENISENDDYLKHQPEISLQ 840
 Db 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLDVNKESLENISENDDYLKHQPEISLQ 840

QY 841 MQLLRGLWQICPQAYFSMVSEHLLVLAKTAYQSNVAACSPFVLQFLQGRTLTGLALNL 900
 Db 841 MQLLRGLWQICPQAYFSMVSEHLLVLAKTAYQSNVAACSPFVLQFLQGRTLTGLALNL 900

QY 901 QYFFDHPELSLLRSIHFPPIRGNKTSAPRAHFSVLETQFDKQVPTIDQDYASAFEPMNEW 960
 Db 901 QYFFDHPELSLLRSIHFPPIRGNKTSAPRAHFSVLETQFDKQVPTIDQDYASAFEPMNEW 960

QY 961 ERNLAEKEDNVKSYMOMRRASPDLSGTYWKLSPKQYKIPCLEVDVNDIDVVGQDMLEIL 1020
 Db 961 ERNLAEKEDNVKSYMOMRRASPDLSGTYWKLSPKQYKIPCLEVDVNDIDVVGQDMLEIL 1020

QY 1021 MTFVSASQRIELHLNHSRGFIESIRPALELSKASVTKCSISKLELSAAEQELLLTLPSE 1080
 Db 1021 MTFVSASQRIELHLNHSRGFIESIRPALELSKASVTKCSISKLELSAAEQELLLTLPSE 1080

QY 1081 SLEVSGTIQSQDQIFPNLDKFLCLKELSVDLEGNINVFSVPIEEFPNFHHMEKLLIQISA 1140
 Db 1081 SLEVSGTIQSQDQIFPNLDKFLCLKELSVDLEGNINVFSVPIEEFPNFHHMEKLLIQISA 1140

QY 1141 EYDPSKLVKLIQNSPNLHVFLKCNFFSDFGSLMTMLVSCCKLTEIKFSDSFFQAVPFVA 1200
 Db 1141 EYDPSKLVKLIQNSPNLHVFLKCNFFSDFGSLMTMLVSCCKLTEIKFSDSFFQAVPFVA 1200

QY 1201 SLPNFISLKILNLEGQQFPDEETSEKFAYILGSLNLEELILPTGDGIYRVAKLIIQQCQ 1260
 Db 1201 SLPNFISLKILNLEGQQFPDEETSEKFAYILGSLNLEELILPTGDGIYRVAKLIIQQCQ 1260

QY 1261 QLHCLRVLSFFKTLNDDSVVEIGEL 1285
 Db 1261 QLHCLRVLSFFKTLNDDSVVEIAKV 1285

RESULT 5
 AAY09539
 ID AAY09539 standard; protein; 1403 AA.

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